

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
18 December 2003 (18.12.2003)

PCT

(10) International Publication Number
WO 2003/104540 A3

(51) International Patent Classification⁷:
B05B 7/00, D04H 1/00, 5/04

B05D 1/00,

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:
PCT/GB2003/002523

(22) International Filing Date: 11 June 2003 (11.06.2003)

(25) Filing Language: English

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(26) Publication Language: English

(30) Priority Data:
0213368.4 11 June 2002 (11.06.2002) GB

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
12 February 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(71) Applicant and
(72) Inventor: TORRES, Manel [ES/GB]; 28 Mackie Road, London SW2 2EB (GB).

(72) Inventor; and
(75) Inventor/Applicant (*for US only*): LUCKHAM, Paul [GB/GB]; 79 Village Way, Pinner, Middlesex HA5 5AA (GB).

(74) Agent: GILL JENNINGS & EVERY; Broadgate House, 7 Eldon Street, London EC2M 7LH (GB).

WO 2003/104540 A3

(54) Title: NON-WOVEN FABRIC

(57) Abstract: This invention provides a composition for forming a fabric by spraying onto a supporting surface, the composition comprising fibres, a binder and a diluent. Further aspects of the invention include the fabric formed by spraying the composition and an article comprising the fabric, an apparatus and a method for spraying the composition.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 03/02523

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7	B05D1/00	B05B7/00	D04H1/00	D04H5/04
-------	----------	----------	----------	----------

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B05D B05B D04H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN & JP 05 186949 A (SUZUKI), 27 July 1993 (1993-07-27) abstract ---	1,17,19, 23,25
X	US 6 217 805 B1 (BROWN BARI W ET AL) 17 April 2001 (2001-04-17) column 3, line 10-20 ---	1,17
X	US 5 684 068 A (BOYER HAROLD F ET AL) 4 November 1997 (1997-11-04) column 2, line 39-56 ---	1,17
X	EP 0 165 880 A (LAURENT ALAIN ;DUBOIS BERNARD (FR)) 27 December 1985 (1985-12-27) page 2, line 12 -page 3, line 10 ---	1,17
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the International filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the International filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the International search report

1 December 2003

11/12/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Lanniel, G

INTERNATIONAL SEARCH REPORT

Internati Application No
PCT/GB 03/02523

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 083 960 A (UNITED STATES GYPSUM CO) 20 July 1983 (1983-07-20) cited in the application the whole document -----	1-30

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/GB 03/02523

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
JP 05186949	A	27-07-1993	JP	3074549 B2	07-08-2000
US 6217805	B1	17-04-2001	US	6183675 B1	06-02-2001
			WO	0119576 A1	22-03-2001
			WO	0040385 A2	13-07-2000
US 5684068	A	04-11-1997	AT	233799 T	15-03-2003
			AU	6623696 A	26-02-1997
			DE	69626520 D1	10-04-2003
			DK	842232 T3	19-05-2003
			EP	0842232 A1	20-05-1998
			ES	2188770 T3	01-07-2003
			WO	9705205 A1	13-02-1997
			PT	842232 T	31-07-2003
			US	5853802 A	29-12-1998
EP 0165880	A	27-12-1985	FR	2563838 A1	08-11-1985
			AT	38849 T	15-12-1988
			DE	3566414 D1	29-12-1988
			EP	0165880 A1	27-12-1985
			ZA	8503302 A	29-01-1986
EP 0083960	A	20-07-1983	CA	1190035 A1	09-07-1985
			DE	3361304 D1	09-01-1986
			EP	0083960 A1	20-07-1983
			MX	162061 A	25-03-1991
			US	4463039 A	31-07-1984
			US	4504602 A	12-03-1985